## WHAT IS CLAIMED IS:

- A polyisocyanate composition comprising at least two 1. distinct oligomeric compounds comprising at least units most 5 chosen at three units and 5 aminoalkylsilane units and diamino units and at least one functional group chosen from isocyanate which those functional groups and from that one οf said in characterized therefrom, compounds comprises at least two aminoalkylsilane 10 units and in that another comprises at least two diamino units.
- 2. The composition as claimed in claim 1, characterized in that the ratio of the aminoalkylsilane units to the diamino units is at least equal to 15%.
- 3. The composition as claimed in claims 1 and 2, characterized in that said oligomeric compounds each represent at least 3%, advantageously at least 5%, preferably at least 8%.
- 4. The composition as claimed in claims 1 to 3, characterized in that said oligomeric compounds each represent at most 2/3, advantageously, preferably 1/3, by weight of the composition.
- as claimed in claims 1 to 5. composition The characterized in that, with regard to the combined oligomeric compounds (that is to say, oligomeric 30 compounds comprising at least three units and at most 5 units chosen from aminoalkylsilane units and diamino units and at least one functional group chosen from isocyanate functional groups and from those which derive therefrom), the compounds 35 which the aminoalkylsilane units represent at least

two fifths of the units under consideration (aminoalkylsilane units and diamino units) form at least 1/5 of the mixture.

- The composition as claimed in claims 1 5 6. characterized in that said functional groups which derive from the isocyanate functional groups uretidinedione, carbamate, the from chosen allophanate, biuret, isocyanurate, pseudoallophanate, 4,6-dioxo-2-iminohexahydro-1,3,5-10 triazine, iminooxadiazinedione and 2-imino-4-oxo-1,3-diazetidine functional groups.
- 7. The composition as claimed in claims 1 to 6, characterized in that said aminoalkylsilane unit corresponds to the formula I:

$$H_2N$$
— $R1^{\mu}\Xi^{-Si}$ 
 $(X-R_3)n$ 

represents either a single bond Ξ chalcogen, preferably an oxygen; where m represents an integer within the closed 20 range (that is to say comprising the limits) 0 to 3, advantageously at least equal to 2, preferably to 3; where n represents an integer within the closed range (that is to say comprising the limits) 0 to 3, advantageously at most equal to 2; 25 with the condition that m+n=3; where  $R_2$  represents a linear or branched hydrocarbon chain of 1 to 20 carbon atoms, preferably of 1 to 12carbon atoms, it being possible for this hydrocarbon chain to be aliphatic, including aralkyl, 30 aromatic, optionally interrupted by heteroatoms, it being possible for the  $R_2$  chain to be of alkylene type if the two terminal carbons of this chain are

bonded to the silicon;

where  $R_3$  represents a linear or branched hydrocarbon chain of 1 to 20 carbon atoms, preferably of 1 to 12 carbon atoms, it being possible for this hydrocarbon chain to be aliphatic or aromatic or aralkyl, optionally interrupted by heteroatoms, it being possible for the  $R_3$  chain to be of alkylene type if the two terminal carbons of this chain are bonded to two groups X carried by the same silicon atom; where X = 0 or S.

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- 8. The composition as claimed in claims 1 to 7, characterized in that said compounds are compounds comprising a biuret functional group.
- in claims claimed The composition as 15 9. of content biuret its that characterized i.n functional group (>N-CO-N(-)-CO-N<, MW = 84) is at least equal to 5%, advantageously to 8%, preferably to 10%.

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- 1 to 9, in claims claimed composition as 10. content of biuret that its characterized in functional group (>N-CO-N(-)-CO-N<, MW = 84) is at most equal to 20%, advantageously to 18%, preferably to 16%.
- 11. The composition as claimed in claims 1 to 10, characterized in that it exhibits a content of isocyanate functional group (free and blocked) at least equal to 5%, advantageously to 8%, preferably to 10%, more preferably to 12%.
- 12. The composition as claimed in claims 1 to 11, characterized in that it exhibits a content of free isocyanate functional group at least equal to 5%, advantageously to 8%, preferably to 10%, more

preferably to 12%.

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- 13. The composition as claimed in claims 1 to 11, characterized in that it exhibits a content of blocked isocyanate functional group at least equal to 5%, advantageously to 8%, preferably to 10%, more preferably to 12%.
- 14. The composition as claimed in claims 1 to 13, characterized in that it exhibits a viscosity at most equal to 6000 mPa·s.
- 15. The composition as claimed in claims 1 to 14, characterized in that it comprises at most 2%, advantageously at most 1%, preferably at most 0.5%, by weight of isocyanate monomer (diisocyanatoalkane).
- 16. The composition as claimed in claims 1 to 15, characterized in that it comprises at most 2%, advantageously at most 1%, preferably at most 0.5%, by weight of isocyanatoalkylsilane (corresponding to the aminoalkylsilane).
- A process for the preparation of an isocyanate 25 17. composition comprising biuret functional at. least one isocyanate characterized that in with brought into contact is monomer aminoalkylsilane (or silanoalkylamine) so that an isocyanatoalkylsilane is formed. 30
- 18. The process as claimed in claim 17, characterized in that at least 5%, advantageously 7%, preferably 10%, of biuret functional groups not carrying a silanoalkyl chain are formed (with respect to the combined biuret functional groups).

19. The process as claimed in claims 17 and 18, characterized in that, expressed as equivalents, the ratio of the isocyanate functional groups to the number of hydrogens carried by the amine functional groups is at least 4, advantageously at least 6, preferably at least eight.

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